

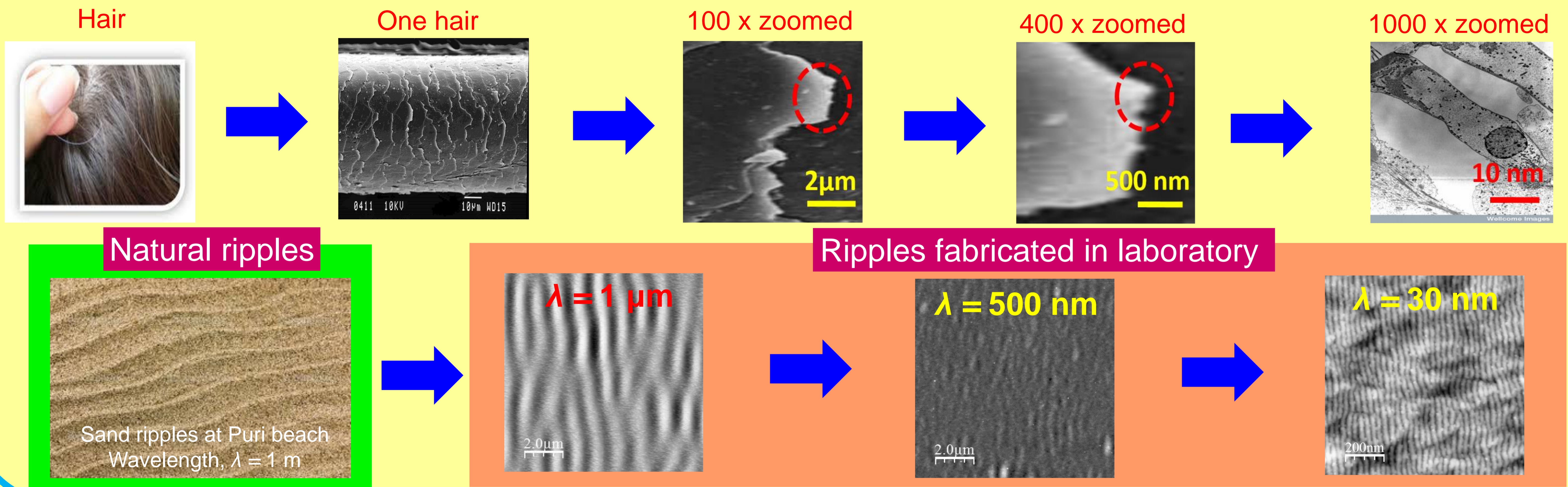


Thrust areas of research

Ion-beam fabrication of materials:
Ripples, nanodots, facets

Growth of 3-D nanostructures
and thin films

Journey from micro- to nano-structures



Potential applications of patterned surfaces

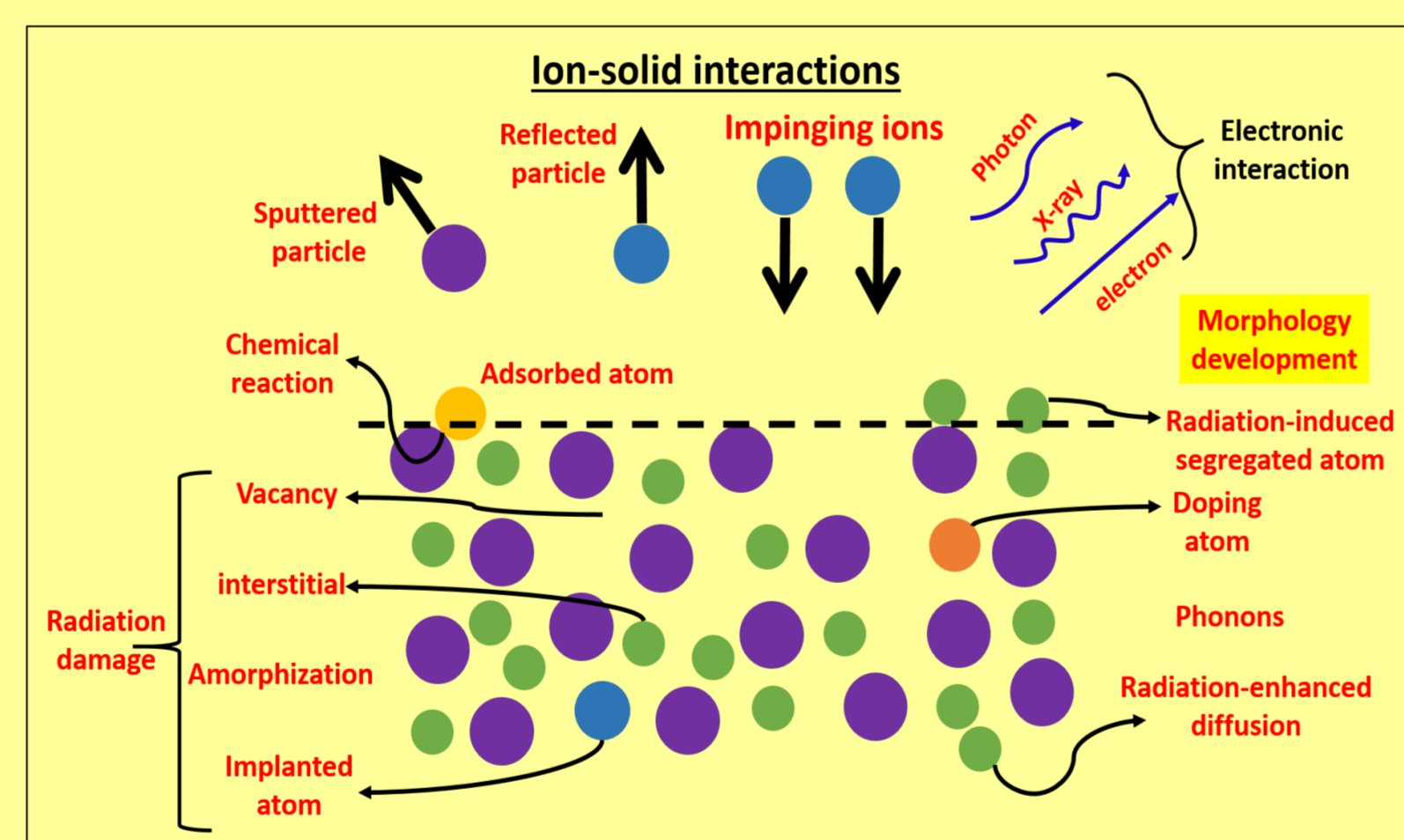
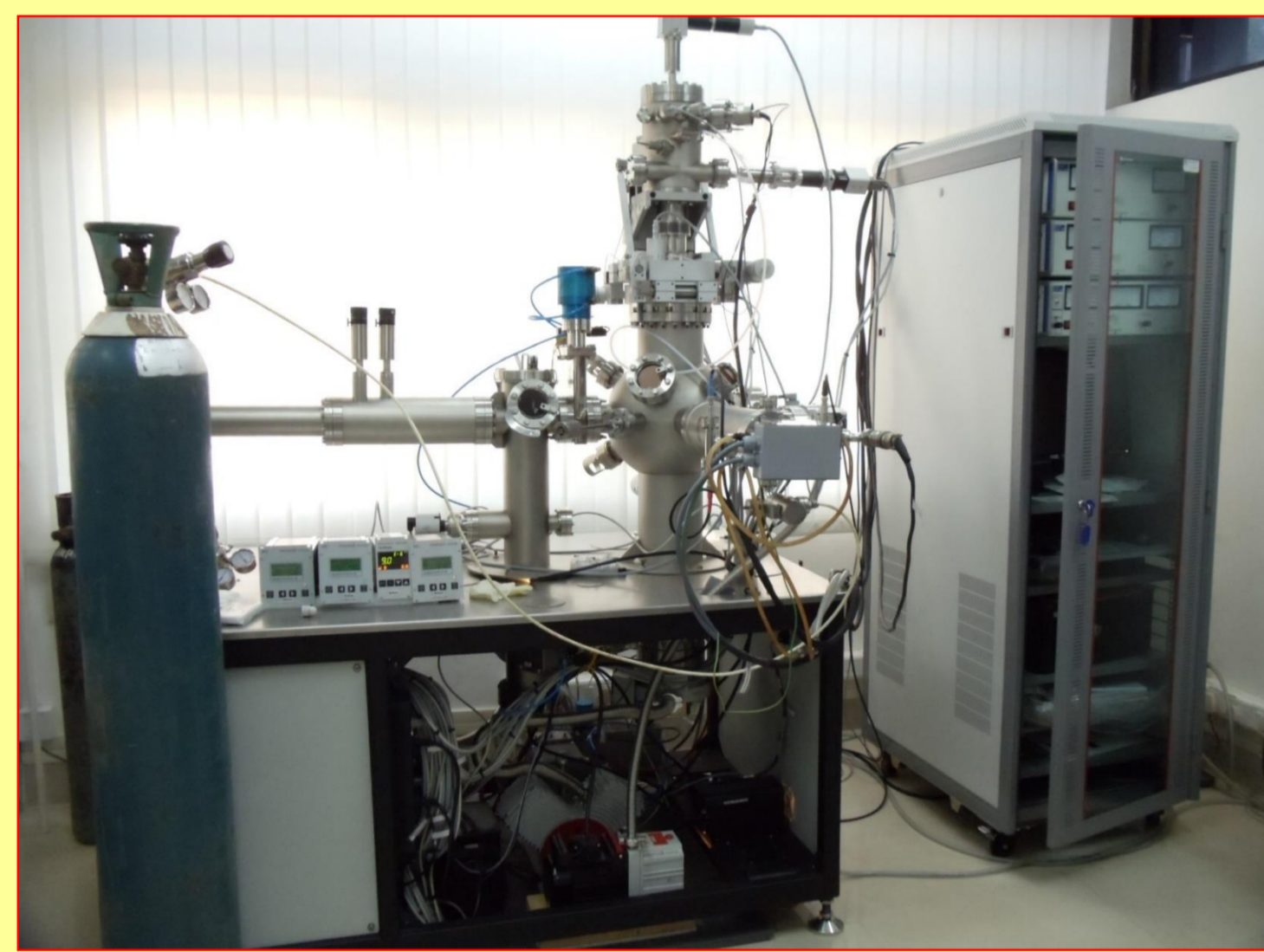
**Ion-beam
Polishing**

Plasmonics

**Nanoscale
Magnetism**

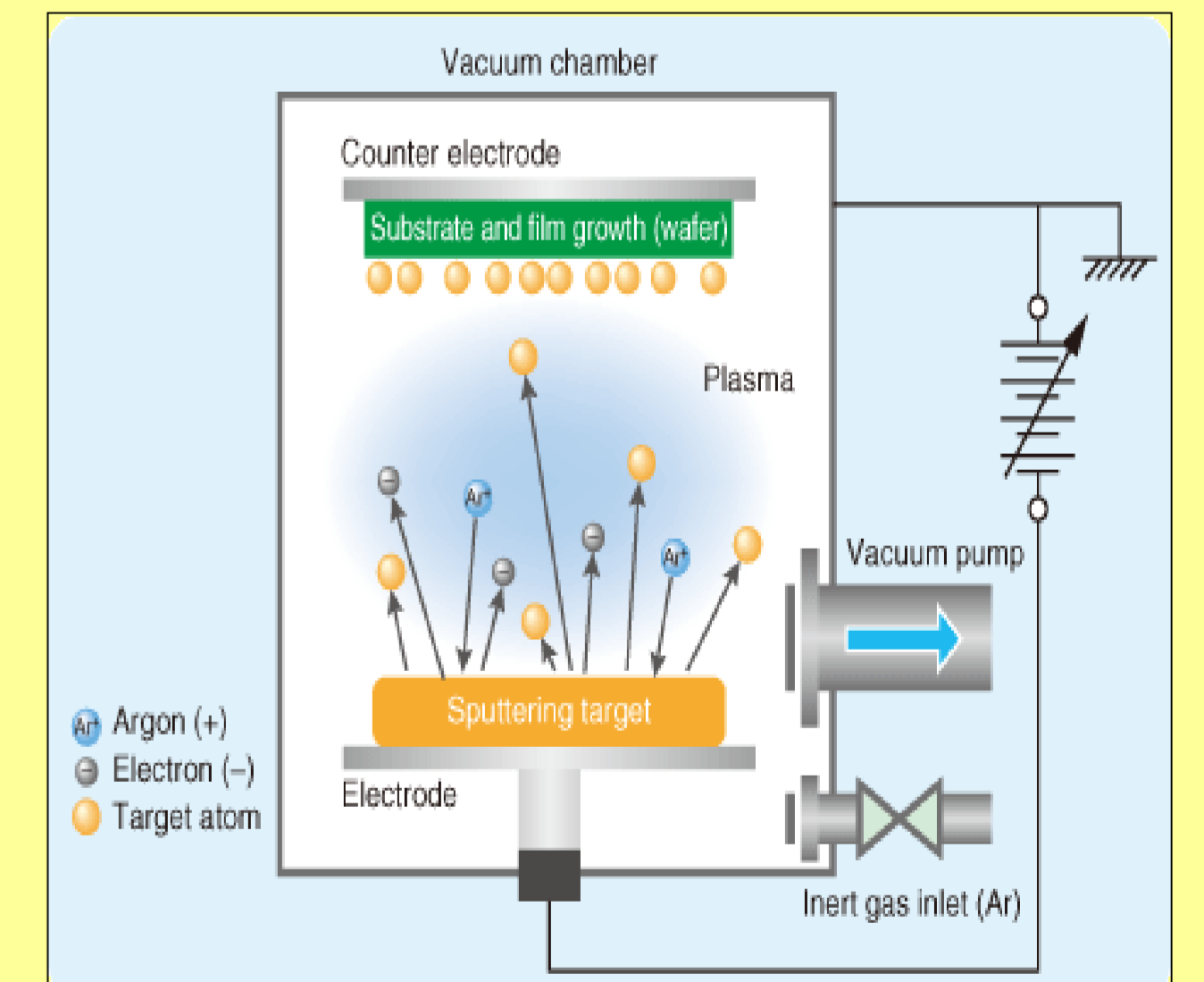
Solar Cells

Ion-beam setup



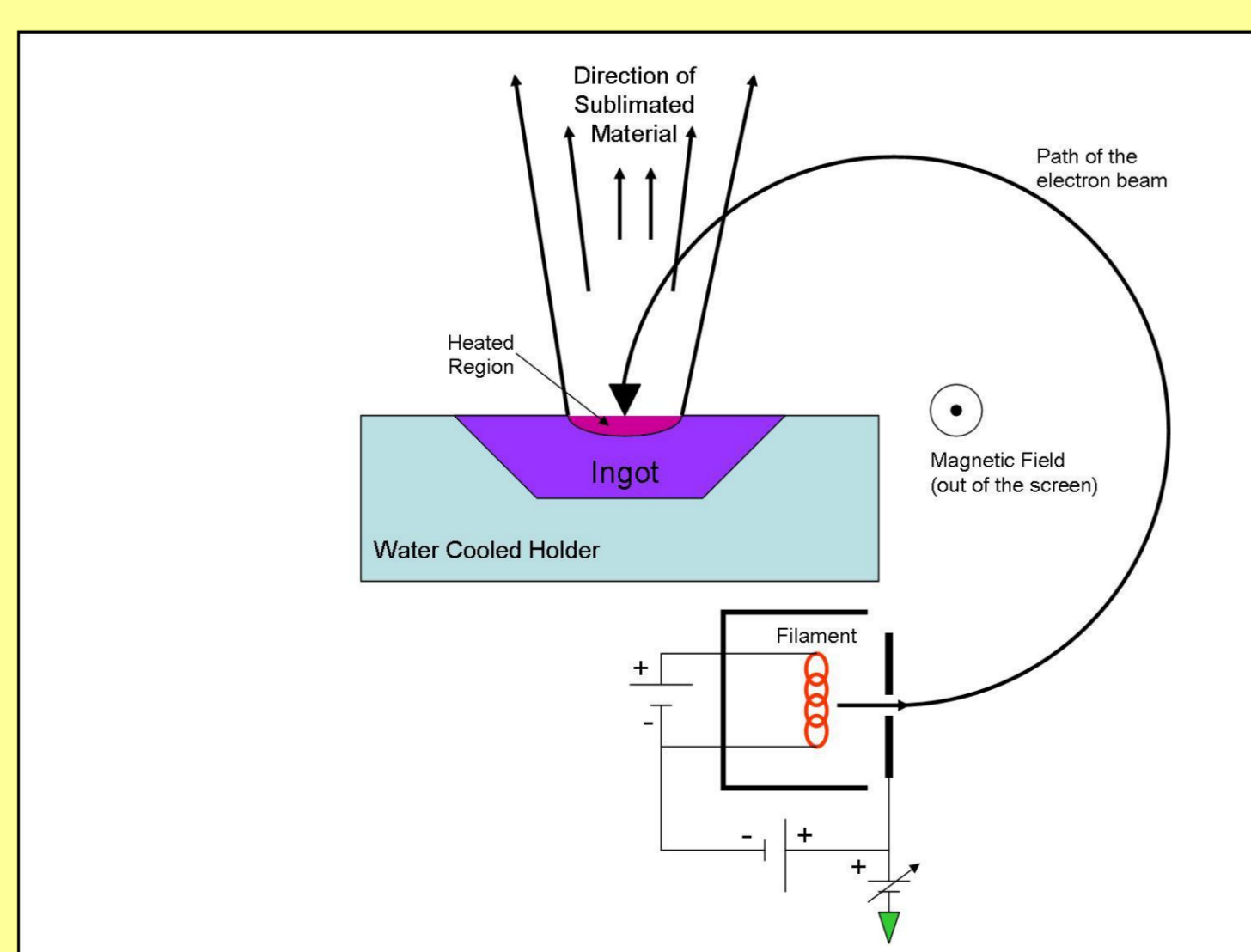
This system is used to fabricate the of nano-structures at surfaces of different materials

DC/RF sputtering setup



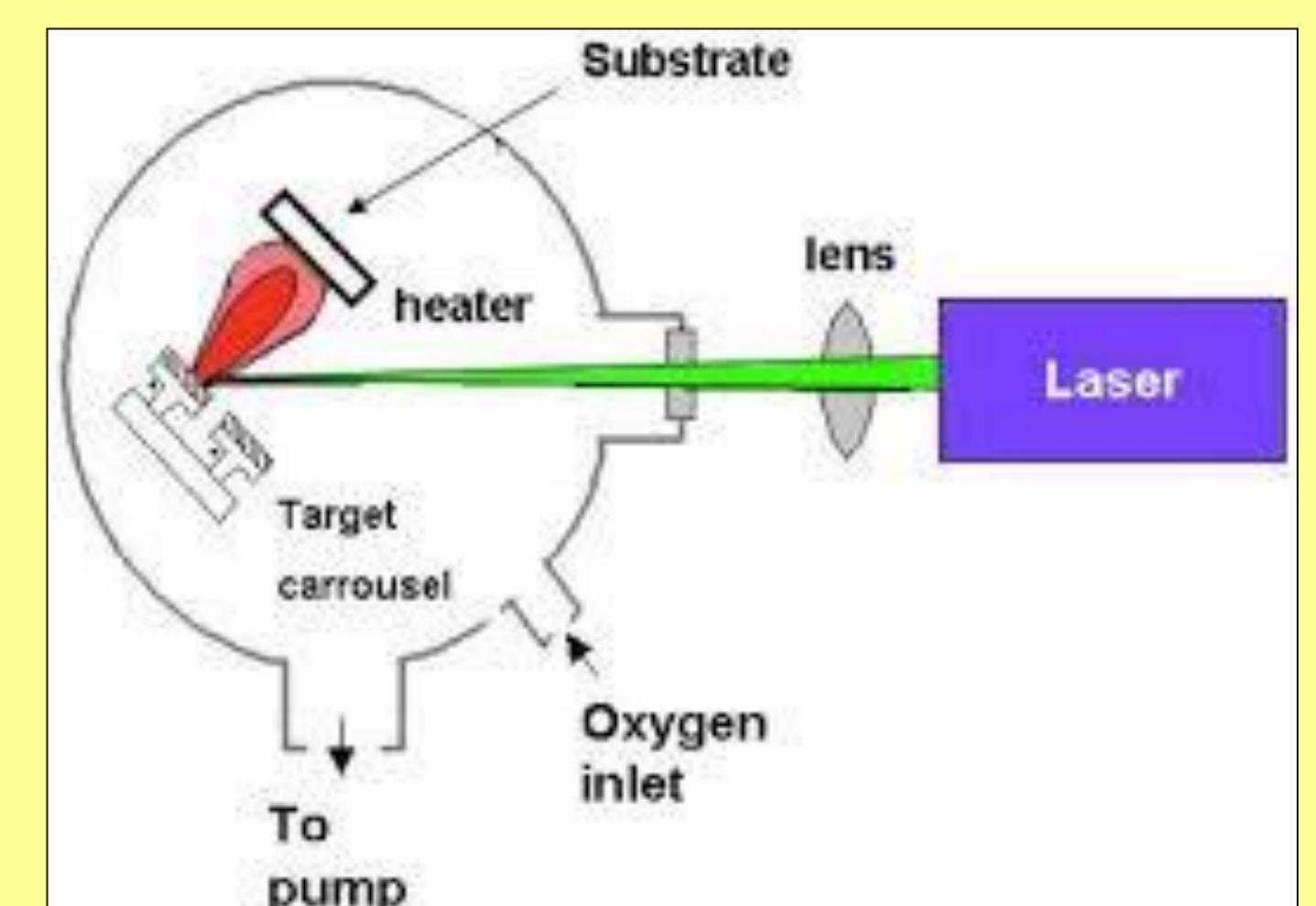
This system is used to grow thin films

Electron-beam evaporation setup



This system is used to grow thin films

Pulsed laser deposition setup



This system is used to grow thin films